

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
WATER QUALITY ADVISORY COMMITTEE MEETING

Thursday, May 19, 2005
MAG Office Building
Phoenix, Arizona

MEMBERS ATTENDING

Roger Klingler, Scottsdale, Chair
Avondale: Greg Stack
#Chandler: Jacqueline Strong
*El Mirage: Lucky Roberts
*Gilbert: Lonnie Frost
Glendale: Chris Ochs
Goodyear: David Iwanski for Barry Hess
*Mesa: Bill Haney
#Peoria: Steven Bontrager
Phoenix: Gary Ullinskey for Robert Hollander

Surprise: Rich Williams Sr.
*Tempe: David McNeil
Maricopa County: Dale Bodiya for John Power
*Pinnacle West Capital: John Boyer
*Salt River Project: Ray Hedrick
U of A Cooperative Extension: Patrick Clay
Citizen Representative: Eugene Jensen

*Those members neither present nor represented by proxy.
#Attended by telephone conference call.

OTHERS PRESENT

#Town of Buckeye: Chris Young
Camp Dresser & McKee: Jessica Marlow
Camp Dresser & McKee: Doug Kobrick
Lennar Communities: Scott Switzer
Bob Nespeca: Pacific Environmental Resources Corporation
Steve Owen: Pacific Environmental Resources Corporation

Pacific Advanced Civil Engineering: Duong Do
Pacific Advanced Civil Engineering: N. Emery Layton
Maricopa Association of Governments: Julie Hoffman
Maricopa Association of Governments: Stephen Gross

1. Call to Order

A meeting of the MAG Water Quality Advisory Committee was conducted on Thursday, May 19, 2005 at 4:00 p.m. Roger Klingler, Chair, City of Scottsdale, called the meeting to order.

2. Agenda Announcements

Chair Klingler provided an opportunity for member agencies to report on activities of interest in their agencies.

3. Call to the Audience

Chair Klingler provided an opportunity for members of the public to address the Committee on items not scheduled on the agenda that fall under the jurisdiction of MAG or items on the agenda for discussion but not for action. No members of the public indicated that they wished to address the Committee.

4. Approval of the January 19, 2005 Meeting Minutes

The Committee reviewed the draft minutes from the January 19, 2005 meeting. Chris Ochs, City of Glendale, moved and Rich Williams, City of Surprise, seconded, and it was unanimously carried to approve the January 19, 2005 meeting minutes.

5. Draft MAG 208 Plan Amendment for the Expansion of the Central Buckeye Wastewater Treatment Plant

Doug Kobrick, Camp Dresser & McKee, provided an overview of the Draft MAG 208 Plan Amendment for the Expansion of the Central Buckeye Wastewater Treatment Plant. Mr. Kobrick indicated that the proposed expansion is needed to accommodate growth expected to occur in the Central Buckeye Wastewater Treatment Plant service area.

The plant is identified in the current MAG 208 Plan as the “Town of Buckeye Wastewater Treatment Plant” with a build-out capacity of 2.0 million gallons per day (mgd) and an Arizona Pollutant Discharge Elimination System (AZPDES) permit discharge. The facility expansion would increase capacity to 16.6 mgd and the facility name would be changed to the “Central Buckeye Wastewater Treatment Plant.” The expanded facility would continue to have an AZPDES permit discharge.

Mr. Kobrick indicated that the expansion of the Central Buckeye Wastewater Treatment Plant would occur in phases. The plant has an existing capacity of approximately 0.5 mgd, with an expansion to 0.97 mgd substantially complete. Mr. Kobrick discussed future expansions, plant layout, and the treatment processes. He stated that the existing plant is located south of Beloit Road, between Miller Road and Apache Road, in the Buckeye Municipal Planning Area. The Town of Buckeye owns land adjacent to the plant that is sufficient for all future expansions.

Mr. Kobrick mentioned the permit requirements for the expansion. He added that the Town of Buckeye will continue to own, operate, and maintain the Central Buckeye Wastewater Treatment Plant.

Chair Klingler asked if the ability for recharge is limited due to a high water table in the area. Mr. Kobrick responded that the water level is at a depth of approximately six feet on the plant property. He added that there are many areas to recharge in the northern portions of the Town of Buckeye.

Chair Klingler asked if the existing AZPDES permit for the plant has a limit on the amount of effluent that can be discharged to the Arlington Canal. Mr. Kobrick replied that the plant discharges to the Arlington Canal, which is in the Gila River floodplain; therefore, the Arizona Department of

Environmental Quality (ADEQ) considers it a discharge to the Gila River. He stated that there is no long-term obligation to send effluent to the Arlington Canal.

Chair Klingler commented that the amendment provides specifics on the expansion up to 4.0 mgd. However, the expansions to 16.6 mgd are not as detailed. Mr. Kobrick responded that the 3.0 mgd treatment train can be replicated three times to expand the facility to 12.0 mgd. He added that the expansion to 4.0 mgd is necessary to accommodate the fast growing service area. A site master plan study will refine the concepts for build-out of the plant.

Chair Klingler asked if the Town of Buckeye would have any concerns with only expanding the plant to 4.0 mgd until future expansion plans are more specific. Chris Young, Town of Buckeye, responded that Buckeye would not object if the Committee only authorized the plant expansion to 4.0 mgd at this time.

Dale Bodiya, Maricopa County, mentioned that the 208 Plan addresses water quality management needs over a 20-year planning period. He added that facilities must go through the permitting process, so any issues would be addressed then. Mr. Kobrick added that the Town of Buckeye owns sufficient land adjacent to the existing plant for future expansions.

Eugene Jensen, Citizen Representative, commented that the draft amendment is consistent with the 208 Plan practice of planning over a 20-year period. He added that it also saves a lot of time since the Committee does not have to meet again when the plant needs to expand in the near future.

Greg Stack, City of Avondale, moved to authorize that a public hearing be conducted on the Draft MAG 208 Water Quality Management Plan Amendment for the Expansion of the Central Buckeye Wastewater Treatment Plant. Mr. Williams seconded and it was unanimously passed through a roll call vote by the Committee.

6. Draft MAG 208 Plan Amendment for the City of Surprise Special Planning Area 2 Regional Water Reclamation Facility

Mr. Williams provided an introduction regarding the Draft MAG 208 Plan Amendment for the City of Surprise Special Planning Area (SPA) 2 Regional Water Reclamation Facility. He indicated that Surprise has teamed with Lennar Community Development, Inc. who plans to develop a master planned community called “Asante by Lennar Community Development” in the SPA 2 service area. He added that the inconsistencies with the City of Surprise Municipal Planning Area boundary are being resolved. Mr. Williams indicated that Steve Owen, Pacific Environmental Resources Corporation, would provide an overview of the project.

Mr. Owen provided an illustrated map of the City of Surprise Special Planning Areas. The facility would accept flow from the Asante Master Planned Community, Desert Oasis and other developments within the SPA 2 service area, which comprises 13,229 acres. The SPA 2 Regional Water Reclamation Facility would have an ultimate capacity of 10.5 mgd and reclaimed water would be disposed of through reuse, recharge, and a potential future Arizona Pollutant Discharge Elimination System Permit discharge to the Agua Fria River.

Mr. Owen indicated that financing for the design, construction, and start-up operation and maintenance of the facility would be provided by Lennar, and ownership of the facility would be transferred to the City of Surprise. Mr. Owen mentioned that the estimated population for the SPA 2 service area in 2020 is approximately 96,600. He indicated that, during the first phase, the facility would be built to 1.2 mgd and subsequent expansions would occur to accommodate future growth.

Mr. Owen stated that the facility would be a Hybrid Sequencing Batch Reactor with biological oxidation of organic matter, biological nutrient removal, and tertiary treatment using disk filtration and ultraviolet disinfection. He indicated that the plant would meet ADEQ Title 18 Class A+ Effluent Standards and U.S. Environmental Protection Agency Class B Biosolids requirements. Mr. Owen also mentioned the required approvals and permits for the facility.

Mr. Owen provided an anticipated project schedule and indicated that primary effluent disposal would be for potential irrigation of golf courses and parks, onsite reuse for process water, potential lake source water and irrigation of landscaping. Secondary disposal would include discharge into adjacent recharge basins, underground storage and recovery, and an AZPDES permit discharge to the Agua Fria River.

Mr. Jensen asked if the City of Surprise has discussed the possibility of Sun City using some of the reclaimed water. Mr. Williams responded that no discussions have occurred with Sun City regarding the reclaimed water from SPA 2 and that the reclaimed water will be part of the City's assured water supply. Mr. Jensen inquired about discussions with Sun City on the AZPDES permit. Mr. Williams replied that he assumed some discussion would occur when the facility obtains an AZPDES permit.

Mr. Jensen asked if the City of Surprise has contacted the Flood Control District. Mr. Williams responded that there have been some early discussions with the Flood Control District. Mr. Jensen commented on hydrogeology issues and asked if there could be an impact on the construction schedule. Mr. Williams replied that the potential AZPDES permit discharge would occur in the future. Mr. Jensen suggested that the City of Surprise have a clear idea of effluent disposal by the public hearing.

Mr. Stack asked if the City of Surprise SPA 2 Regional Water Reclamation Facility would be similar to the Litchfield Park Service Company (LPSCo) Facility. Mr. Owen replied that it would be similar. Mr. Stack commented on the odor control issues at the LPSCo Facility.

Chair Klingler inquired about the annexation issues Mr. Williams referred to earlier. Mr. Williams responded that the annexation issue was with the location of the facility. Mr. Bodiya commented on a statement made by the City of Peoria in their letter of no objection on the project indicating that there is an apparent discrepancy between the planning area boundaries. Mr. Williams replied that the City of Surprise/City of Peoria planning area boundary showed a one square mile overlap. He indicated that the City of Surprise Planning Department is working through the issue. Steven Bontrager, City of Peoria, mentioned that he was not sure if the issue was resolved.

Mr. Bodiya asked if the City of Surprise will annex all areas in their General Plan. Mr. Williams responded that is the intent. Mr. Bodiya asked if the area in question is still in unincorporated

Maricopa County. Mr. Williams mentioned a proposal for the area. Mr. Bontrager added that he has also heard of the project.

Mr. Jensen moved to authorize that a public hearing be conducted on the Draft MAG 208 Water Quality Management Plan Amendment for the City of Surprise Special Planning Area 2 Regional Water Reclamation Facility. Mr. Ochs seconded and it was unanimously passed through a roll call vote by the Committee.

Chair Klingler thanked the Committee for participating and called for adjournment of the meeting.